

**CS Part 30. Telecommunications
Compared With
29 C.F.R. 1910.268 Telecommunications**

Summary: The significant differences between CS Part 30. Telecommunications and 29 C.F.R. 1910.268 Telecommunications are in:

- Vehicles fueled by LP gas
- Ladder specifications
- Personal protective equipment

Details: CS Part 30. Telecommunications is adopted by reference from 29 C.F.R. 1910.268 Telecommunications. The standards are identical except for the following rules found only in CS Part 30:

R 408.43003 Vehicles fueled by LP gas; storage or service; repair; parking.

- Rule 3003. (1)** Vehicles fueled by LP gas may be stored or serviced inside garages if there are no leaks in the fuel system and the fuel tanks are not filled beyond the maximum filling capacity specified in table 1.
- (2)** Vehicles fueled by LP gas which are being repaired in garages shall have the container shutoff valve closed except when fuel is required for engine operation.
- (3)** Vehicles fueled by LP gas shall not be parked near sources of heat, open flames, or similar sources of ignition, or near open pits, unless the pits are adequately ventilated.

Table 1

MAXIMUM PERMITTED FILLING DENSITY			
Specific gravity at 60° F. (15.6°C)	Aboveground containers		Underground containers, all capacities
	0 to 1,200 U.S. gals. (1,000 imp. gal., 4,550 liters) total water cap.	Over 1,200 U.S. gals. (1,000 imp. gal., 4,550 liters) total water cap.	
	Percent	Percent	Percent
.496-.503	41	44	45
.504-.510	42	45	46
.511-.519	43	46	47
.520-.527	44	47	48
.528-.536	45	48	49
.537-.544	46	49	50
.545-.552	47	50	51
.553-.560	48	51	52
.561-.568	49	52	53
.569-.576	50	53	54
.577-.584	51	54	55
.585-.592	52	55	56
.593-.600	53	56	57

R 408.43004 Trolley and side-rolling ladders.

- Rule 3004. (1)** Trolley ladders and side-rolling ladders longer than 20 feet should not be supplied.
- (2)** The dimensions of the side rails shall not be less than the following for group 2 or group 3 woods:

Length of side rails (feet)	Thickness (inch)	Depth (inches)
Up to and including 10	25/32	3
Over 10 up to and including 20	25/32	3 3/4

- (3) The minimum thicknesses of side rails provide for the cutting of a groove not over 1/8 inch in depth. The thickness shall be increased when grooves of greater depth are used. Flat steps shall have the following minimum dimensions for group 2 or group 3 woods:

Length of step (inches)	Thickness (inch)	Depth (inches)
Up to and including 16	25/32	3
Over 16 up to and including 20	25/32	3 1/4
Over 20 up to and including 24	25/32	3 1/2
Over 24 up to and including 28	25/32	4

- (4) The width between the side rails, inside to inside, shall be at least 12 inches.
- (5) Flat steps shall be inset in the side rails 1/8 inch and secured with at least two 6-d nails at each end, or the equivalent thereof. They shall be reinforced with angle braces or with a 3/16-inch steel rod.
- (6) Locking devices should be provided on all trolley ladders.
- (7) Tracks shall comply with the following requirements:
- (a) Tracks shall be wood or metal (excluding cast iron), or a combination of these materials.
 - (b) Tracks for the top end of ladders shall be fastened securely and shall be so constructed that the wheels cannot jump the track. Tracks shall be so designed as to provide for all probable loads to which they are subjected.
 - (c) The supports shall be securely fastened by lag screws or by machine, hook, or toggle bolts, or their equivalent.
 - (d) Track for side-rolling ladders shall be supported by metal or wood brackets securely screwed or bolted to shelving or other permanent structure at not over 3 feet.
- (8) A wheel carriage shall comply with the following requirements:
- (a) A wheel carriage shall be so designed as to provide for all loads to which it is subjected. Two-point suspension should be used.
 - (b) The wheel carriage for the top end of the ladder shall be securely fastened to the top of the ladder, with metal brackets bolted either to the side rails or to the top step. When bolted to the top step, this step shall be secured to the side rails with metal braces in addition to those otherwise provided. The wheel carriage shall be so designed that a loose or broken wheel does not allow the ladder to drop or become detached from the track.
 - (c) The wheel carriage for the bottom end of the ladder shall be securely fastened to the bottom of the ladder.
 - (d) The wheels at the upper end of the ladder shall have a minimum wheelbase of 8 inches.
 - (e) When wheels are used at the bottom of the ladder, there shall be at least 1 wheel supporting each side rail.
 - (f) Running gear for bottoms of both trolley and side-rolling ladders shall be so designed and constructed as to provide for any load to which such gear is subjected.

R 408.43005 Employer responsibility.

Rule 3005. Where personal protective equipment is required by any provision of 29 C.F.R. §1910.268 Telecommunications, adopted by reference in R 408.43001, that personal protective equipment shall be provided for and as prescribed in construction safety standard Part 6. Personal Protective Equipment, R 408.40601 et seq.

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